

## Recombinant Human Cornulin/CRNN Protein (His Tag)

**Catalog Number:** PKSH032281

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

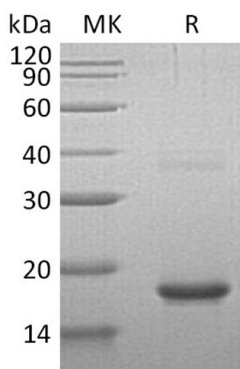
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Cornulin;CRNN protein Met 1-Ser140, with an N-terminal His
<b>Calculated MW</b>	17.5 kDa
<b>Observed MW</b>	17 kDa
<b>Accession</b>	Q9UBG3
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Cornulin is a member of the fused gene family of molecular chaperones. Human Cornulin contains N-terminus EF-hand domains and Ca<sup>2+</sup> binding domains, and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. Cornulin involves in the mucosal/epithelial immune response and epidermal differentiation. Cornulin is a survival factor that participates in the clonogenicity of squamous esophageal epithelium cell lines, attenuates deoxycholic acid (DCA)-induced apoptotic cell death and release of calcium. When Cornulin is overexpressed in oral squamous carcinoma cell lines, it regulates negatively cell proliferation by the induction of G1 arrest.

### For Research Use Only

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